

4.3.6 Dawson County

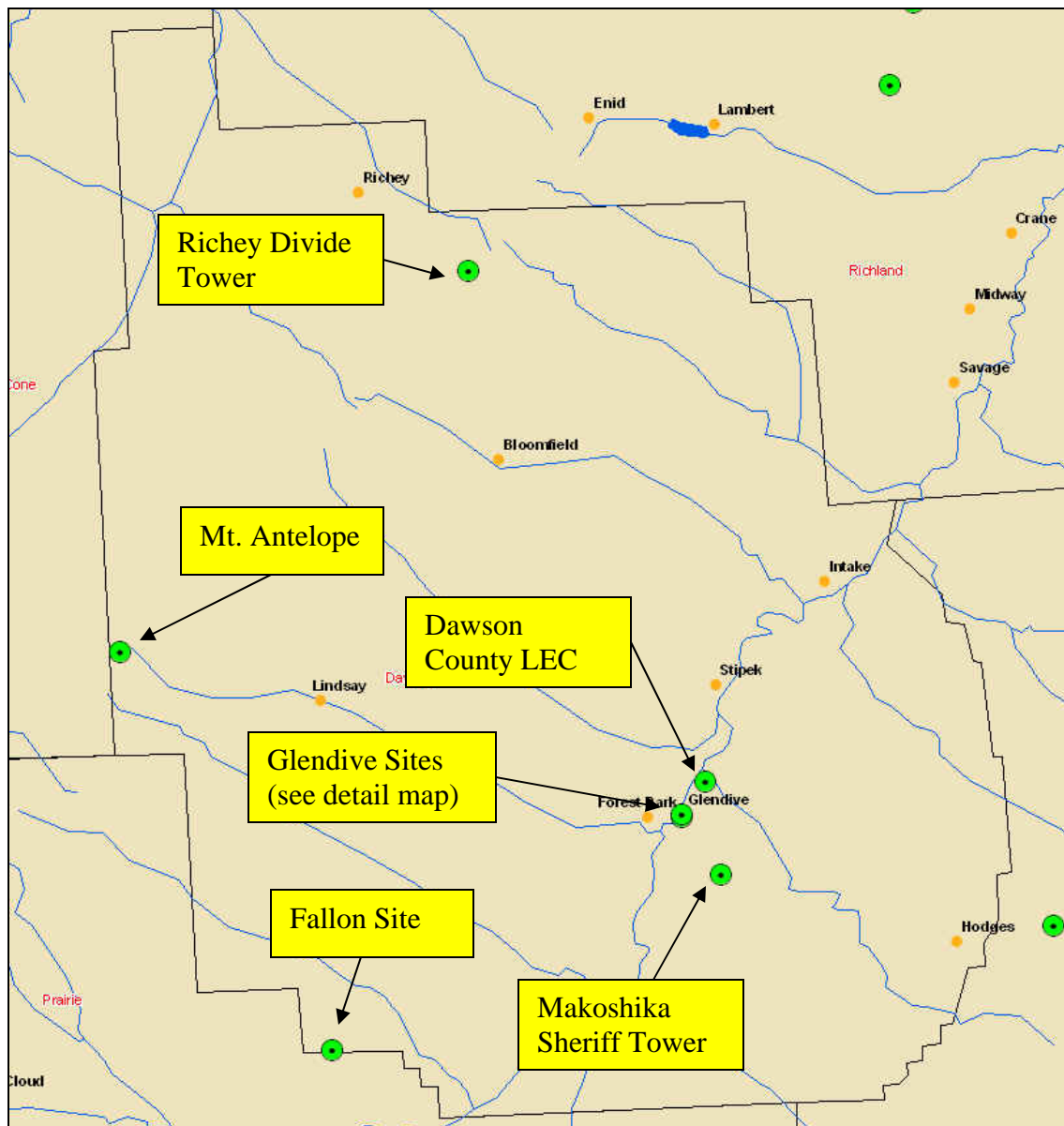


Figure 46 – Dawson County Antenna Sites

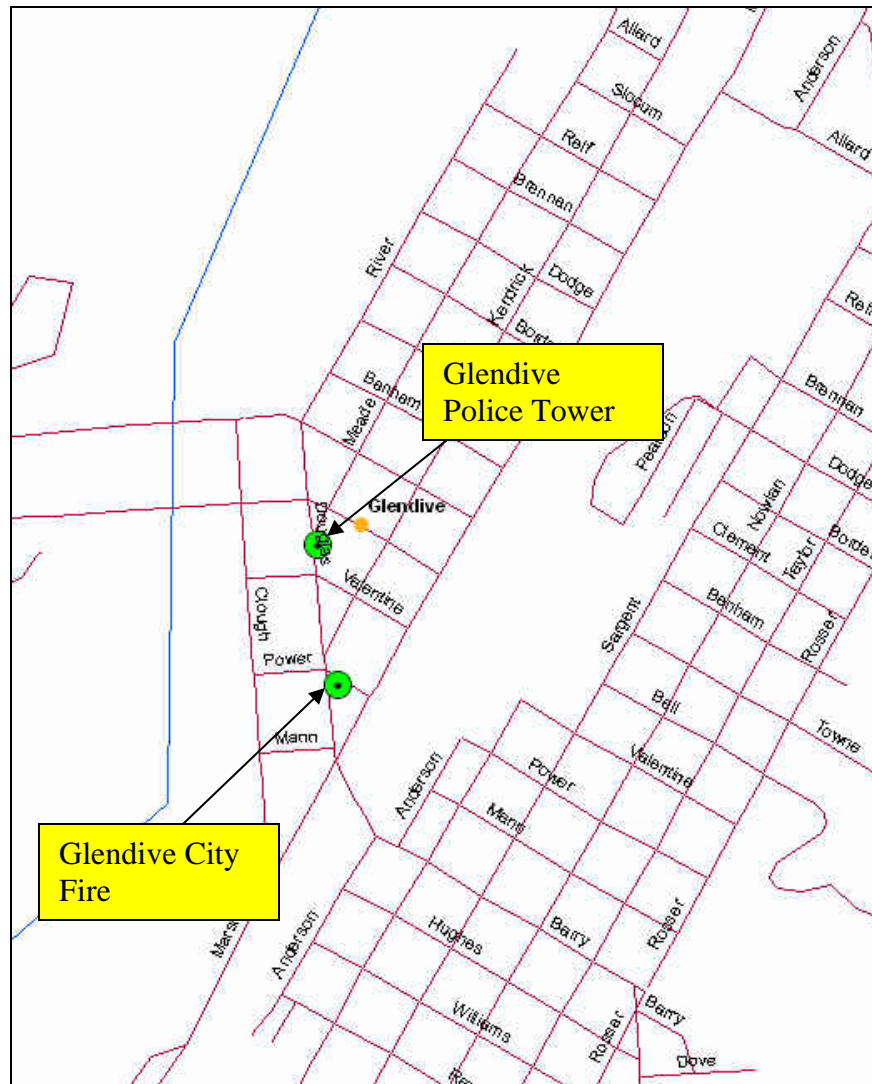


Figure 47 – Detail Of Glendive Antenna Sites

Site Name: Dawson County LEC



Area: Glendive, MT

Location: 440 Colorado Blvd.

Land Owner: Dawson Co.

Ground Elevation: 2105

Latitude: N47 07' 51.6"

Longitude: W104 41' 08"

Status: In Use

Rent:

Tower Height: None

Building Type: Dispatch Center, Sheriff's Office, Police Station, Prison

Building Size:

Approximate Space Used (%):

Primary Power: 3-phase

Backup Power: UPS

Telephone Available? Yes

Tower Users: Glendive Police, Dawson County Sherrif

Is Combiner Used And Describe: No

General Comments:

Survey Completed By: TAB Electronics

Completed Date: Jun-05

Tower Manufacturer:

Tower Model:

Tower Owner:

Age (Years):



Tower Type:
Fall Protection:
Climbing Device:
Of Guy Wires:
Of Legs:
Leg Spacing:
Grounding System:
Other Towers Nearby?
Access In Summer: 2-wheel Drive
Access In Winter: 2-wheel Drive
Criticality: Extremely Critical
Meets FCC OET 65?
Meets Antenna Loading?
Microwave In Use? No
Describe:
Microwave Capable?
Describe:

Radio 1: Base
Antenna Type: PD 220
Antenna Height: 20-40'
Frequencies In Use: TX 155.010, 159.150, RX 159.150
User Agency: Dawson County Sheriff
Filter, Duplexer, Etc.: None
P25? No
Other:

Radio 2: Base
Antenna Type: Open dipole
Antenna Height: 20'
Frequencies In Use: 155.010, 159.150, 158.970, 154.980, 155.380
User Agency: Dawson County Sheriff
Filter, Duplexer, Etc.: None
P25? Yes
Other:

Radio 3: Base
Antenna Type:
Antenna Height: 20'
Frequencies In Use: 155.79
User Agency: Dawson County Jail
Filter, Duplexer, Etc.: None
P25? No
Other:



Radio 4: Repeater

Antenna Type: Radiax System

Antenna Height:

Frequencies In Use: TX 453.700, RX 458.700

User Agency: Dawson County Jail

Filter, Duplexer, Etc.: PD 633

P25? No

Other:

Site Name: Fallon Site



Area: Terry, MT

Location: NW of Fallon

Land Owner: Mark Weeding

Ground Elevation: 2914'

Latitude: N46 55' 24"

Longitude: W105 09' 46.4"

Status: In Use

Rent: Varies

Tower Height: 79'

Building Type: Wood - Steel Siding

Building Size: 5x9

Approximate Space Used (%): 90

Primary Power: AC

Backup Power: None

Telephone Available? No

Tower Users: Prairie Co. Sheriff, Prairie Co. Road, Buffalo Rapids, TRECO, FBI, KEMC - Public Radio, East-Mont Communications

Is Combiner Used And Describe:



General Comments:

Survey Completed By: East-Mont Communications

Completed Date: Jun-05

Tower Manufacturer: ROHN

Tower Model: 256

Tower Owner: East-Mont Communications

Age (Years):

Tower Type: Guyed

Fall Protection: None

Climbing Device: Tower Rungs - Steel Bars

Of Guy Wires:

Of Legs:

Leg Spacing:

Grounding System:

Other Towers Nearby?

Access In Summer:

Access In Winter: 4-wheel Drive

Criticality:

Meets FCC OET 65?

Meets Antenna Loading?

Microwave In Use? No

Describe:

Microwave Capable? Yes

Describe:

Radio 1: GE MASTRII Repeater

Antenna Type: 5db Fiberglass Vertical

Antenna Height: 75'

Frequencies In Use:

User Agency: Prairie Co. Sheriff Office

Filter, Duplexer, Etc.: Duplexer

P25? No

Other:

Radio 2: GE MASTRII Repeater

Antenna Type: 5db Fiberglass Vertical

Antenna Height: 75'

Frequencies In Use:

User Agency: Prairie Co. Road Dept.

Filter, Duplexer, Etc.: Duplexer

P25? No

Other:



Radio 3: GE MASTRII Repeater
Antenna Type: Directional Array
Antenna Height: 60'
Frequencies In Use:
User Agency: TRECO
Filter, Duplexer, Etc.: Duplexer
P25? Unknown
Other:

Radio 4: GE MASTRII Repeater
Antenna Type: 3db Fiberglass Vertical
Antenna Height: 75'
Frequencies In Use:
User Agency: Buffalo Rapids
Filter, Duplexer, Etc.: Duplexer
P25? Unknown
Other:

Radio 5: MSF5000 Repeater
Antenna Type: 5db Fiberglass Vertical
Antenna Height: 20'
Frequencies In Use:
User Agency: FBI
Filter, Duplexer, Etc.: Duplexer
P25? Unknown
Other:

Radio 6: Kenwood TKR-820 Repeater
Antenna Type: 3db Fiberglass Vertical
Antenna Height: 75'
Frequencies In Use:
User Agency: East-Mont Communications
Filter, Duplexer, Etc.: Duplexer
P25? Unknown
Other:

Radio 7: Kenwood TKR-820 Repeater
Antenna Type: 3db Fiberglass Vertical
Antenna Height: 75'
Frequencies In Use:
User Agency: East-Mont Communications
Filter, Duplexer, Etc.: Duplexer
P25? Unknown
Other:



Radio 8: Broadcast Transmitter VHF
Antenna Type: YAGIS Horizontal (2)
Antenna Height: 45'
Frequencies In Use: 91.9 mHz
User Agency: KEMC - Public Radio
Filter, Duplexer, Etc.: None
P25? Unknown
Other:

Site Name: Makoshika Sheriff Tower



Area: Glendive, MT

Location: 3m SE of Glendive - Makoshika State Park

Land Owner: State of Montana

Ground Elevation: 2654'

Latitude: N47 03' 07.7"

Longitude: W104 40' 21.5"

Status: In Use

Rent:

Tower Height: 100'

Building Type: Block building on concrete slab.

Building Size: 8.5x9

Approximate Space Used (%):50

Primary Power: 120/240 single phase - 50A disconnect.

Backup Power: 1kw Onan propane genset

Telephone Available? No, but there is potential for service.

Tower Users: Dawson County Sheriff, Dawson County Road, National Weather Service

Is Combiner Used And Describe: No

General Comments:



Survey Completed By: TAB Electronics

Completed Date: Jun-05

Tower Manufacturer:

Tower Model:

Tower Owner:

Age (Years):

Tower Type: Guyed

Fall Protection: None

Climbing Device: Tower Rungs - Steel Tube or Angle

Of Guy Wires: 9

Of Legs: 3

Leg Spacing: 18"

Grounding System: Multiple rods connected by i/o single #6 to tower

Other Towers Nearby?

Access In Summer: 2-wheel Drive

Access In Winter: 4-wheel Drive

Criticality: Extremely Critical

Meets FCC OET 65?

Meets Antenna Loading?

Microwave In Use? No

Describe:

Microwave Capable?

Describe:

Radio 1: Repeater

Antenna Type: PD 220

Antenna Height: 100-120'

Frequencies In Use: TX 159.50, RX 155.010

User Agency: Dawson County Sheriff

Filter, Duplexer, Etc.: None

P25? Yes

Other:

Radio 2: Base

Antenna Type: PD 220

Antenna Height: 72-94'

Frequencies In Use: TX 155.880, 154.980, RX 154.980

User Agency: Dawson County Road Dept.

Filter, Duplexer, Etc.: None

P25? No

Other:

Radio 3: Base

Antenna Type: PD 1142



Antenna Height: 40-54'
Frequencies In Use: 39.82, 39.88
User Agency: Dawson County Sheriff
Filter, Duplexer, Etc.: None
P25? No
Other:

Radio 4: Weather Broadcast Transmitter
Antenna Type: PD 220
Antenna Height: 42-63'
Frequencies In Use: 162.475
User Agency: National Weather Service
Filter, Duplexer, Etc.: Sinclair 20107*3 Pass filter (single cavity)
P25? Unknown
Other:

Site Name: Glendive City Fire



Area: Glendive, MT

Location: Power Street, downtown Glendive

Land Owner: City of Glendive

Ground Elevation: 2070'

Latitude: N47 06' 09.4"

Longitude: W104 42' 58"

Status: In Use

Rent:

Tower Height: 60'

Building Type: Block & Brick

Building Size:

Approximate Space Used (%):

Primary Power: 120/240 single phase

Backup Power:

Telephone Available? Yes

Tower Users: Glendive City Fire Dept., Glendive City Ambulance

Is Combiner Used And Describe: No

General Comments:

Survey Completed By: TAB Electronics

Completed Date: Jun-05

Tower Manufacturer:

Tower Model:



Tower Owner:

Age (Years):

Tower Type: Wood Pole

Fall Protection: None

Climbing Device: Step Bolts

Of Guy Wires:

Of Legs:

Leg Spacing:

Grounding System: Multiple ground rods

Other Towers Nearby?

Access In Summer: 2-wheel Drive

Access In Winter: 2-wheel Drive

Criticality: Extremely Critical

Meets FCC OET 65?

Meets Antenna Loading?

Microwave In Use? No

Describe:

Microwave Capable?

Describe:

Radio 1: Base

Antenna Type: PD 220

Antenna Height: 60-80'

Frequencies In Use: 154.355

User Agency: Glendive City Fire

Filter, Duplexer, Etc.: None

P25? Yes

Other:

Radio 2: Base

Antenna Type: 2-element open dipole

Antenna Height: 40-52'

Frequencies In Use: 155.715

User Agency: City of Glendive

Filter, Duplexer, Etc.: None

P25? No

Other:

Site Name: Glendive Police Tower



Area: Glendive, MT

Location: Douglas St. & Meade Ave.

Land Owner: City of Glendive

Ground Elevation: 2070'

Latitude: N47 06' 18"

Longitude: W104 42' 59"

Status: In Use

Rent:

Tower Height: 100'

Building Type: Wood frame shack on concrete slab.

Building Size: 7x7

Approximate Space Used (%):70

Primary Power: 120/240 single phase 100 amp

Backup Power: 6.5 kw Onan propane genset

Telephone Available? No, but there is potential for service.

Tower Users: Glendive Police, Glendive City Fire

Is Combiner Used And Describe: No

General Comments:



Survey Completed By: TAB Electronics
Completed Date: Jun-05
Tower Manufacturer:
Tower Model:
Tower Owner:
Age (Years):
Tower Type: Free Standing
Fall Protection: None
Climbing Device: Tower Rungs - Steel Bars
Of Guy Wires: 0
Of Legs: 3
Leg Spacing: 30" - 1.5: OD legs at bottom
Grounding System: 1 6-gauge wire to ground rod.
Other Towers Nearby?
Access In Summer: 2-wheel Drive
Access In Winter: 2-wheel Drive
Criticality: Extremely Critical
Meets FCC OET 65?
Meets Antenna Loading?
Microwave In Use? No
Describe:
Microwave Capable?
Describe:

Radio 1: Base
Antenna Type: PD 220
Antenna Height: 100-120'
Frequencies In Use: 158.97
User Agency: Glendive Police
Filter, Duplexer, Etc.: None
P25? No
Other:

Radio 2: Base
Antenna Type: PD 220
Antenna Height: 38-60'
Frequencies In Use: 154.355
User Agency: Glendive Fire
Filter, Duplexer, Etc.: None
P25? No
Other:

Site Name: MT. Antelope



Area: Lindsay, MT

Location: 11.8m NW of Lindsay, MT

Land Owner: Rick Kniepkamp

Ground Elevation: 3454'

Latitude: N47 16' 05"

Longitude: W105 23' 56"

Status: In Use

Rent:

Tower Height: 48'

Building Type: Wood frame, metal siding, concrete slab

Building Size: 9x9

Approximate Space Used (%):20

Primary Power: 120/240 single phase 100 amp



Backup Power: User-supplied batteries

Telephone Available? No

Tower Users: McCone Co.

Is Combiner Used And Describe: No

General Comments:

Survey Completed By: TAB Electronics

Completed Date: Jun-05

Tower Manufacturer:

Tower Model:

Tower Owner: McCone Co.

Age (Years): 4

Tower Type: Wood Pole

Fall Protection: None

Climbing Device: Step Bolts

Of Guy Wires:

Of Legs:

Leg Spacing:

Grounding System: Multiple ground rods, all grounds bonded.

Other Towers Nearby?

Access In Summer: 2-wheel Drive

Access In Winter: 4-wheel Drive

Criticality: Extremely Critical

Meets FCC OET 65?

Meets Antenna Loading?

Microwave In Use? No

Describe:

Microwave Capable? No

Describe:

Radio 1: Base

Antenna Type: PD 220

Antenna Height: 48-60'

Frequencies In Use: TX 153.875, 155.760, RX 155.760

User Agency: McCone Co.

Filter, Duplexer, Etc.: None

P25? No

Other:

Radio 2: UHF Link

Antenna Type: DB436 Yagi

Antenna Height: 48'

Frequencies In Use: TX 453.575, RX 458.575

User Agency: McCone Co.

Filter, Duplexer, Etc.: Celwave 0185417U05 6-cavity



P25? No

Other:

Site Name: Richey Divide Tower



Area: Richey, MT

Location: Clay Butte, divide between Richey and Bloomfield, MT.

Land Owner: Dorothy Boese

Ground Elevation: 3095'

Latitude: N47 34' 20.5"

Longitude: W104 56' 24"

Status: In Use

Rent:

Tower Height: 100'

Building Type: Prefab fiberglass

Building Size: 5x7.5

Approximate Space Used (%):50

Primary Power: 120/240 single phase



Backup Power: User-supplied batteries

Telephone Available? No, but service could potentially be installed.

Tower Users: Dawson Co. Sheriff, Dawson Co. Road Dept., Bridger Pipeline, LLC

Is Combiner Used And Describe: No

General Comments:

Survey Completed By: TAB Electronics

Completed Date: Jul-05

Tower Manufacturer: Rohn

Tower Model: 456

Tower Owner: Dawson Co.

Age (Years):

Tower Type: Guyed

Fall Protection: None

Climbing Device: Tower Rungs - Steel Bars

Of Guy Wires: 9

Of Legs: 3

Leg Spacing: 18"

Grounding System: Rod at base.

Other Towers Nearby?

Access In Summer: 2-wheel Drive

Access In Winter: 4-wheel Drive

Criticality: Extremely Critical

Meets FCC OET 65?

Meets Antenna Loading?

Microwave In Use? No

Describe:

Microwave Capable? No

Describe: Perhaps small grid dishes.

Radio 1: Repeater

Antenna Type: PD 220

Antenna Height: 100-120'

Frequencies In Use: TX - 159.150, RX - 155.010

User Agency: Dawson Co. Sheriff

Filter, Duplexer, Etc.: 4-cavity compact

P25? No

Other:

Radio 2: Repeater

Antenna Type: PD 220

Antenna Height: 42-64'

Frequencies In Use: TX - 154.980, RX - 155.880

User Agency: Dawson Co. Road Dept.

Filter, Duplexer, Etc.: 3-cavity



P25? No

Other:

Radio 3: Repeater

Antenna Type: PD 220

Antenna Height: 66-88'

Frequencies In Use: TX - 153.545, RX - 158.280

User Agency: Bridger Pipeline LLC

Filter, Duplexer, Etc.: Sinclair Q2026-C, 4-cavity

P25? Unknown

Other: